

GEOLOGY (SCIENCE 112.49)**Correlation to Texas Essential Knowledge and Skills****CHAPTER 1 - INTRODUCTION TO WATER**

ACTIVITY	KNOWLEDGE AND SKILLS
Water, Water Everywhere, 1-29	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10(A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
A Global View of the Wet Earth, 1-41	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
Water Careers, 1-85	112.49.3(D) Scientific processes (research and describe the history of geology, meteorology, oceanography, and future careers)

CHAPTER 3 - SURFACE WATER RESOURCES

ACTIVITY	KNOWLEDGE AND SKILLS
Biography of a River, 3-1	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
Catch Me If You Can- (Two Ways to Determine Stream Flow), 3-7	112.49.1(A)(B) Scientific processes (...conducts field and laboratory investigations) 112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
Best Management Practices for Forestry, 3-43	112.49.1(A)(B) Scientific processes (...conducts field and laboratory investigations) 112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)

CHAPTER 4 - GROUNDWATER RESOURCES

ACTIVITY	KNOWLEDGE AND SKILLS
Groundwater Basics, 4-1	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
From Ground to Water, 4-11	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
What Goes on Down Under?, 4-27	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)
Do You Drink It?, 4-37	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10 (A)(B)(C) Science concepts (knows the interactions that occur in a watershed)

CHAPTER 5 - WETLANDS AND COASTAL WATERS

ACTIVITY	KNOWLEDGE AND SKILLS
River Input Into the Gulf of Mexico, 5-19	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10(A)(B)(C) Science concepts (knows the interactions that occur in a watershed) 112.49.11(A) Science concepts (identify physical characteristics of ocean water...)
Sea Margin Diversity, 5-45	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10(A)(B)(C) Science concepts (knows the interactions that occur in a watershed) 112.49.11(A) Science concepts (identify physical characteristics of ocean water...)

ACTIVITY	KNOWLEDGE AND SKILLS
Estuaries: Interface Between Sea and Land, 5-53	112.49.2(A)(B)(C)(D) Scientific processes (...uses scientific methods...) 112.49.3(A) Scientific processes (...uses critical thinking and scientific problem solving...) 112.49.10(A)(B)(C) Science concepts (knows the interactions that occur in a watershed) 112.49.11(A) Science concepts (identify physical characteristics of ocean water...)